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Application Number

07/943852

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9/11/92

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US006284471B1

(12) **United States Patent**
Le et al.

(10) Patent No.: **US 6,284,471 B1**
(45) Date of Patent: **Sep. 4, 2001**

(54) **ANTI-TNFA ANTIBODIES AND ASSAYS
EMPLOYING ANTI-TNFA ANTIBODIES**

WO92/11383 9/1992 (WO).

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **08/192,093**

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(22) Filed: **Feb. 4, 1994**

Related U.S. Application Data

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(63) Continuation-in-part of application No. 08/010,406, filed on Jan. 29, 1993, now abandoned, and a continuation-in-part of application No. 08/013,413, filed on Feb. 2, 1993, now abandoned, which is a continuation-in-part of application No. 07/943,852, filed on Sep. 11, 1992, now abandoned, which is a continuation-in-part of application No. 07/853,606, filed on Mar. 18, 1992, now abandoned, which is a continuation-in-part of application No. 07/670,827, filed on Mar. 18, 1991, now abandoned.

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(51) Int. Cl.⁷ **C07K 16/24; A61K 39/395; C12N 15/00; G01N 33/53**

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(58) Field of Search **530/387.3, 388.23, 530/391.3; 435/7.1, 240.27, 172.2, 70.21**

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(57) **ABSTRACT**

Anti-TNF antibodies and anti-TNF peptides, specific for tumor necrosis factor (TNF) are useful for in vivo diagnosis and therapy of a number of TNF-mediated pathologies and conditions, as well as polynucleotides coding for anti-TNF murine and chimeric antibodies, peptides, methods of making and using the antibody or peptides in immunoassays and immuno-therapeutic approaches are provided, where the anti-TNF peptide is selected from a soluble portion of TNF receptor, an anti-TNF antibody or structural analog thereof.

9 Claims, 36 Drawing Sheets